

# EUROPEAN PATENT OFFICE

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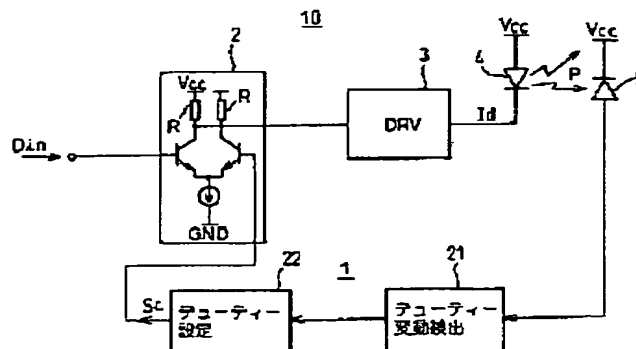
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APPLICANT : FUJITSU LTD;

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TITLE : OPTICAL OUTPUT DUTY ADJUSTING  
CIRCUIT FOR ELECTRIC-OPTICAL  
SIGNAL CONVERTER



ABSTRACT : PROBLEM TO BE SOLVED: To provide the adjusting circuit which can always keep the output light at the desired duty of 100% with no intervention of man power.

SOLUTION: An optical output duty adjusting circuit 1 is added to an electric/ optical signal converter 10 consisting of a data signal duty adjusting part 2, a drive part 3 which receives the output of the part 2 and generates a drive current and a laser diode 4 which emits the light by receiving the drive current from the part 3. Then the circuit 1 consists of a duty variance detection means 21 which monitors the output light of the diode 4 and detects the variance of duty of the data signal, and a duty setting means 22 which produces a duty adjusting signal accordant with the detected duty variance and feeds the adjusting signal back to the part 2.

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